## Systems Integration Market Analysis 1988

Doug Wilder SI Program Manager INPUT



#### SI Market Definition

- Integrated solution to a multidisciplinary information systems requirement
  - Multiple vendors
  - Multiyear schedules
  - Prime contractor assumes full risk

NOTES:	
MSEM-DRW-2	

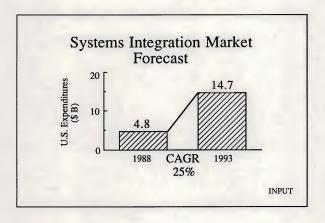


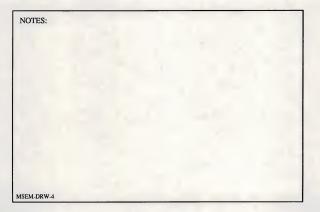
#### Overview

- Market forecasts
- Issues
- Markets
- Competition
- Trends

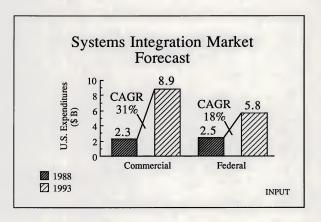
NOTES:	
MSEM-DRW-3	

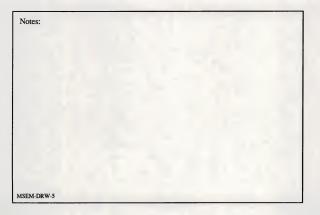




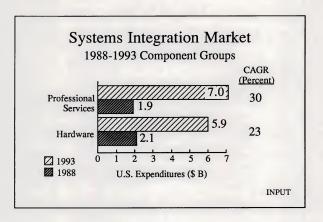


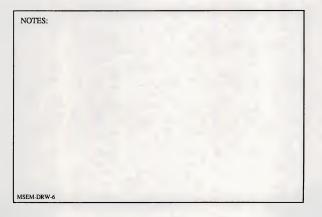




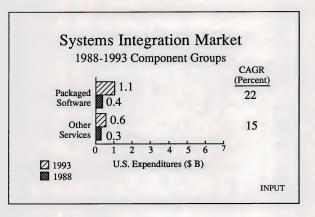






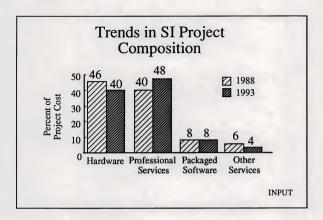


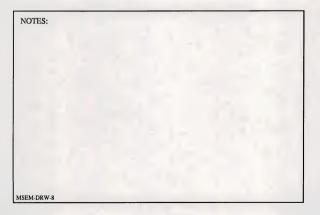














### Major Buyers Issues—1988

- · Rising management expectations
- User demands for increasingly complex solutions
- · Managing the technology investment
- Integration—data/applications/ technology
- · "Mission Critical" solutions

Notes:	
MSEM-DRW-9	



#### Major Vendor Issues—1988

- · Potential of catastrophic failure
- · Resistance from in-house integrators
- Increasing competition—confusion
- Competitive exposure through specific project alliances
- · Leading-edge technology risks

Notes:	1-17-15
	1000
	1 1
MSEM-DRW-10	



#### Key Commercial SI Market Factors

- · Rising demand for connectivity
- · Major infrastructure rebuilding
- · Growing user management trend
- Growing application complexity

Notes:	
	1000
MSEM-DRW-11	

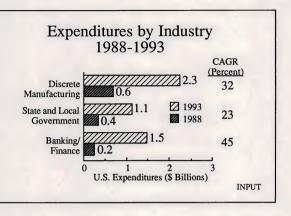


#### Key Federal SI Market Factors

- · Demand for productivity improvement
- Shortage of technical staff
- · Shared implementation risks
- · Trend toward technology upgrades

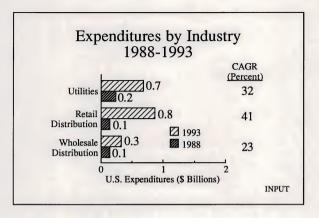
Notes:	
MSEM-DRW-12	

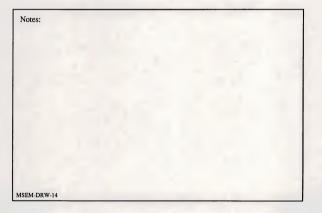




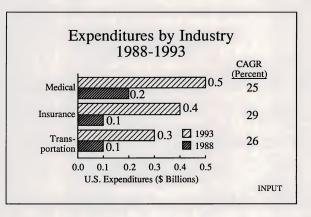


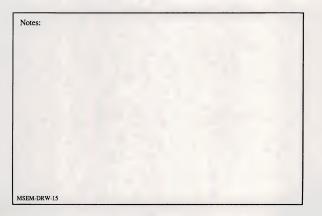




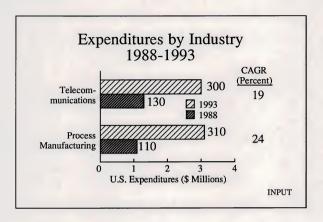


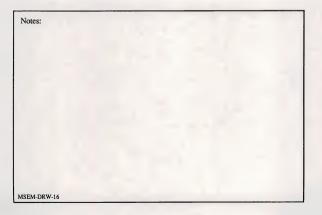




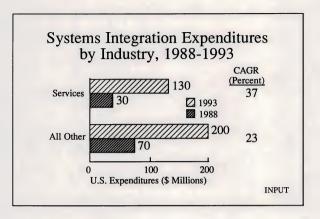


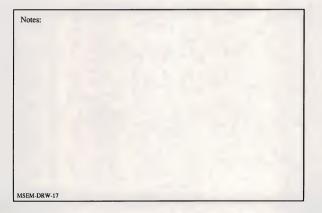














# Market Share by Class of Competition, 1988

	Percent of Market		
Vendor Class	Federal	Commercial	Overall
Hardware Manufact.	20	21	20
Commun. Vendors	3	10	7
Professional Svcs.	53	32	42
"Big 8"	3	10	7
Aerospace	16	11	14
Other	5	16	10

Notes:		
MSEM-DRW-18		



## Leading Systems Integration Vendors, Market Shares, 1988

Vendor	U.S. Revenues (\$Millions)	Market Share (%)
IBM	850	18
EDS/GM	505	12
Andersen Consulting	383	9
CSC	345	8
		INPU

Notes:			
MSEM-DRW-19			لسل



## Leading Systems Integration Vendors, Market Shares, 1988

Vendor Unisys	U.S. Revenues (\$Millions)	Market Share (%)
SAIC	280	6
Grumman	250	6
Boeing	200	5 INPU

Notes:				
MSEM-DRW-20				



#### **Future Trends**

- Entry of new domestic and off-shore competitors
- · Market "hype" will blur definitions
- Increased centralization of vendor SI "product" management
- Increased development of proprietary technologies/methodologies

INPUT

Notes:		
MSEM-DRW-21		



#### **Future Trends**

- Growing investment in marketing/ promotion
- Development of formal market strategies by non-SI vendors
- Telecommunications companies

INPUT

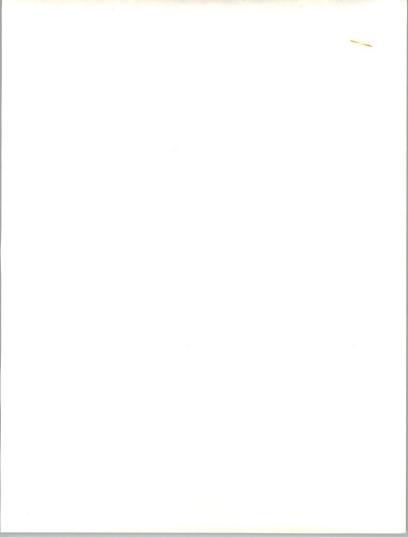
Notes:			
MSEM-DRW-22			



#### Douglas R. Wilder Director, Systems Integration INPUT

Douglas R. Wilder provides information consulting service to executives and planning managers in the computer industry. With INPUT he specializes in analysis and forecasting of major trends in the industry, particularly in systems integration, and the impact of these trends on vendors and end users. Mr. Wilder has twenty-seven years of experience in the computer industry, including ten years in management. Mr. Wilder retired from International Business Machines Corporation (IBM) in December, 1988. While with IBM he held a variety of professional and management positions in the areas of market research, corporate strategy development and planning, field marketing, and customer executive education. Most recently, as Manager of Business Analysis for the Systems Integration Division, he was responsible for strategy development and systems integration market research. Mr. Wilder joined IBM after two years as an officer in the U.S. Army.

Mr. Wilder holds a B.A. from Dartmouth College.



7038476872→

4159603965;# 2 4159603966;# 2

# NPUT PRODUCTION WORK ORDER

Submitted with Work Yes No Advance Notice: Yes No Submitted by: Doug WILDER Date: 3-51-89 Authorized by: \_ WORK SPECIFICATIONS: MARS RESENTATION Date of Presentation: 4/14/89 Final Copy Required: 4/10 35 mm Stides Questionnaire News Release Repetitive Letters Newsletter Exhibits Business Cards Note Paper Cover Design Form: Other: No. Pages Submitted: Text: \_\_\_\_\_ Graphics: 23 If Incomplete, Date Remaining Copy to Be Submitted; No. of Pages to Come: Text: Graphics: PRINTING SPECIFICATIONS: No. Copies: (paper) No. Copies Goodwin Photocopy Single Side Three-Hole Punch Print Double Side Velobind Punch Staple Binding:\_ Paper Color:\_\_\_\_\_Type:\_\_ Ink Color: \_\_\_\_ Copyright Yes OTHER SPECIFICATIONS: (Attachments, Mail/Ship Method, Etc.) DELIVERY: To Printer/Slide Maker: From Printer/Slide Maker:\_ Shipped or Delivered to: ...

# QC/proofing

Desc MAPS presentation Proj MSEM. DRW suther Dong Wilder

Date to proof proofed by Truit. Date

4/4

Stove Eng AE 4/4

anthor has seen & oked 4/3

RCV BY:XEROX TELECOPIER 7010	; 3-31-89 7:23AM ;	7038476872→	4159603966;# 3
SENT BY: INPUT WASHINGTON DC	; 3-31-89 10:26AM ;	7038476872→	4159603966;# 3
		. (/)	
		1150	
		1	
	11 A 1 11 M 1 M		NA AA
• • • •	*		
-			
Clien	The second second		
213161	MS INTEGRATION	N	
MA	CKET_ANALYSI.	5	
		the second contract of	
	1988	there is a second of the group of	
			1-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0
	<u></u>		
	Soug WILDER		
			manufallities, over de firmy descriptions descriptions de l'abblique de
\$0	JOHN FRANK		
	VILLE PHESTOON	7-	
	7000		
SI	Program Ma	20. 25	
······································	ryogram 1110	nager	The second section of the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the se
The state of the s	(/	/	
	Input		
AND THE RESERVE OF THE PARTY OF	10001	t matter. Not the Made do to the program	THE MAIN LABOR THE PARTY AND ADDRESS OF THE PA
	The same of the sa	The same of the control of the same of the	
	the man of the contract of the	The state of the s	
** **	4 7 16		
		9 18 19	
MSEM-DE	ין-להכ		
SHE IS	et ·		



SENT BY: INPUT WASHINGTON DC ; 3-31-89 10:26AM ;

7038476872→

## SI Market Definition

- Integrated Solution to a Multidisciplinary Information Systems Requirement
  - Multiple Vendors
  - Multiyear Schedules
  - Prime Contractor Assumes Full Risk

INPUT

NOTES: **ETOS-3** 

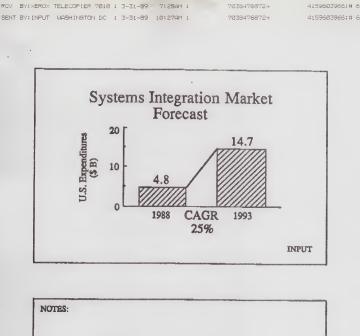
MSBH-DRW-2



RCV BY:XEROX TELECOPIER 7010 ; 3-31-89 7:24AM ;	7038476872>	4159603966;# 5
SENT BY: INPUT WASHINGTON DC ; 3-31-89 10:27AM;	7038476872→	4159603966;# 5
OVERNIEL	J	
		· · · · · · · · · · · · · · · · · · ·
· MARKET FOREC	145TS	
<u> </u>	,	,
. 133UES		*
· MARKETS		
		•
· COMPETITION		
Come e 1. II e e		
· TRENDS		
C455 15 2		
5900 153		
MSEM-DEW-3		

\_

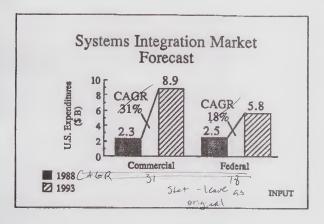


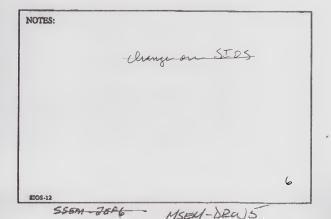




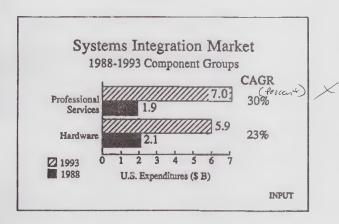


7038476872→ 4159603966;# 7 7038476872→ 4159603966;# 7



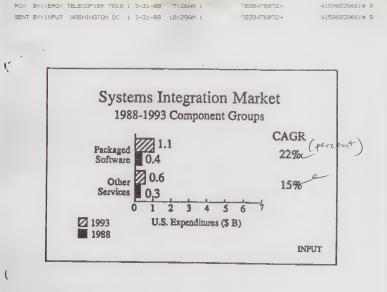


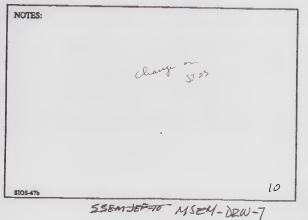




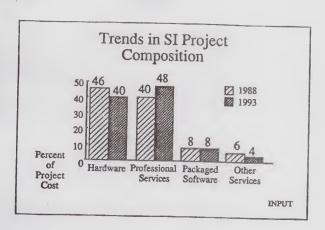


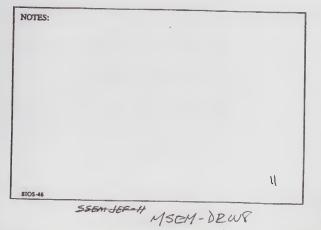














### Major Buyers Issues—1988

- Rising Management Expectations
- User Demands for Increasingly Complex Solutions
- Managing the Technology Investment
- Integration—Data/Applications/
   Technology
- "Mission Critical" Solutions

INPUT

NOTES:

SSEMJEFIT MSEN-DEW 9



SENT BY: INPUT WASHINGTON DC ; 3-31-89 10:44AM ;

4159603966;# 3

# Major Issues—1988

- Potential of Catastrophic Failure
- Resistance from In-House Integrators
- Increasing Competition—Confusion
- Competitive Exposure through Specific Project Alliances
- Leading-Edge Technology Risks

INPUT

NOTES:

17

**SIOS-37** 

SSEM-JEF-17 MSEM-DROVIU



# Key Factors Commercial SI Markets

### Positive:

- Rising Demand for Connectivity
- · Major Rebuilding of Infrastructure
- Growing Trend Toward User
   Management Trend
- · Growing Application Complexity

INPUT

20

NOTES:

SIOS-13a

\_\_\_\_\_

SSEM JEF-20 MSEM-DEWII



4159603966;# 5 4159603966;# 5

Key Factors
Federal SI Markets

#### Pesitive

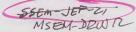
- Demand for Productivity Improvement
- Shortage of Technical Staff
- Shared Implementation Risks
- Trend Toward Technology Upgrades

INPUT

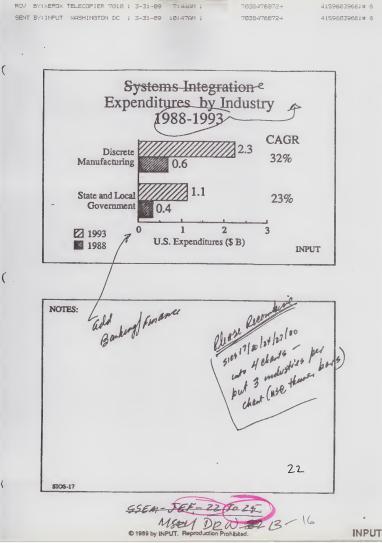
NOTES:

21

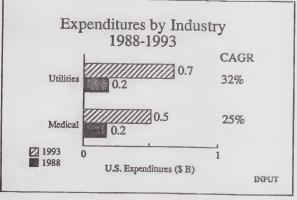
**SIOS-15** 







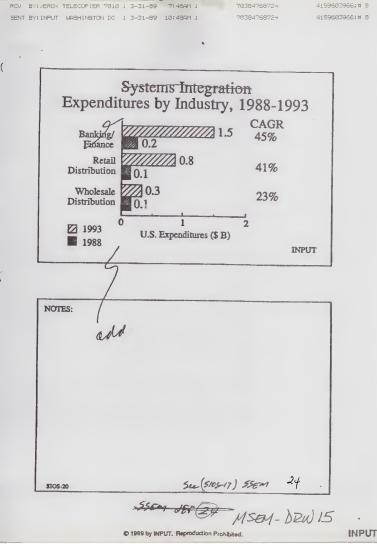




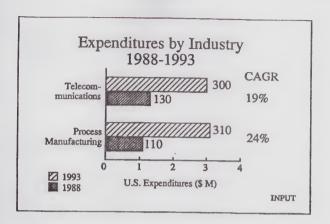


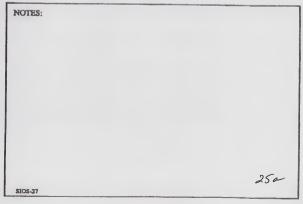
SSEM JON 23 MSEM-DEW14





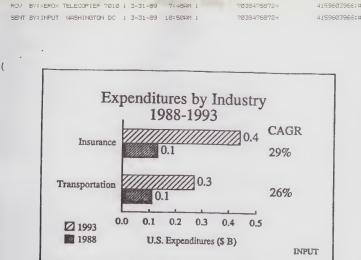


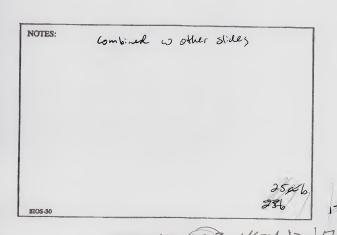




SSEM JER EST MSEM-DEWILLA.



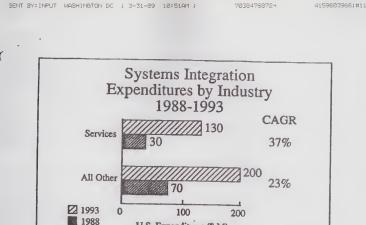




C 1989 by INPUT. Reproduction Prohibited.

INPUT





U.S. Expenditures (\$ M)

7:48AM;

RCV BY: XEROX TELECOPIER 7010 ; 3-31-89

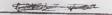


JEF 256? MSEM-DRAVIDO?

4159603966;#11

INPUT





## MARKET SHARE BY CLASS OF COMPETITION 1987

1988

	Percent of Market		
Vendor Class	Federal	Commercial	Overall
Hardware Manufacturers	20	zΪ	20
Communication Vendors	3	10	7
Professional Services	53	32	42
"Big 8"	3	:10	7
Aerospace	16	//	14.
Other	5	16	10 .,

SSEM-JEF-Z9- MSEM-DEW18



SENT BY: INPUT WASHINGTON DC ; 3-31-89 10:52AM ;

7038476872>

Leading Systems Integration Vendors, Market Shares, 1988

	,		
Vendor IBM	U.S. Revenues (\$M) 515 850	Market Share (%)	
EDS/GM	450 505	<b>捻</b> 脚/2.	
Andersen Consulting	400383	雖 9	
Booing C5C	2 <del>50</del> 345	8 INPUT	

NOTES: 30

SSEM-JEF (30) MSEM- DEW19

\$105-49a



4159603966;#14

Leading Systems Integration Vendors, Market Shares, 1988

Vendor	U.S. Revenues (\$M)	Market Share (%)
UNISYS	<del>195</del> 300	事 7
SAIC	135,280	至6
Grumman	150 250	66
BOENS	200	\$ 5
		INPUT

NOTES:

SIOS-49b

55EM-JEF (-31) MSEN-DRWZO.



## **Future Trends**

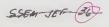
- · Entry of New Domestic and Off-Shore Competitors
- Market "Hype" Will Blur Definitions
- Increased Centralization of SI "Product" Management within Vendors
- · Increased Development of Proprietary Technologies/Methodologies

INPUT

NOTES:

the change groves

SIOS-61ab



MSEM-DEW 21.



## Future Trends

- Growing Investment in Marketing/ Promotion
- · Development of Formal Meaket Strategies by Non-SI Vendors
- Telecommunications Companies

INPUT

NOTES:

SSEM JEF 37 MSEM DEW 22.

